

**IGNITION MAIN RELAY**

(See IG section in 3S-GTE Engine)

ST014-02

**SERVICE SPECIFICATIONS**

CH01A-02

**SERVICE DATA**

Battery	Specific gravity (When full charge at 20° C (68° F))	1.25 - 1.27
Drive belt	Tension	
	New belt	120 ± 20 lbf
	Used belt	104 ± 20 lbf
Alternator	Rated output	12 V - 70 A, 12 V - 80 A, 12 V - 90 A
	Rotor coil resistance	2.8 - 3.0 Ω
	Slip ring diameter (STD)	14.2 mm - 14.4 mm (0.559 - 0.567 in.)
	Slip ring diameter (Minimum)	12.8 mm (0.504 in.)
	Brush exposed length (STD)	10.5 mm (0.413 in.)
	Brush exposed length (Minimum)	1.5 mm (0.59 in.)
Alternator regulator (IC)	Regulating voltage at 25° C (77° F)	14.0 - 15.1 V
	Regulating voltage at 115° C (239° F)	13.5 - 14.3 V

CH01C-02

**TORQUE SPECIFICATIONS**

Part tightened	N-m	kgf-cm	ft-lbf
Alternator pulley nut	110	1,125	81
TWC (main) x Exhaust manifold	29	300	22
Tailpipe x Front exhaust pipe	43	440	32
Tailpipe bracket x Front exhaust pipe bracket	19	190	14
Suspension member damper x Suspension crossmember	21	210	15
Exhaust pipe support bracket x Suspension crossmember (3S-GTE)	21	210	15